

ABSTRACT OF THE DISCLOSURE

5 The invention provides a method of controlling an ink jet  
recording apparatus on which a liquid container is to be  
detachably mounted, the liquid container having a piezoelectric  
device for detecting the liquid. The method includes the steps  
of: detecting a characteristic value of the piezoelectric device  
by a detection section provided inside or outside of the ink jet  
recording apparatus; judging whether or not the characteristic  
value satisfies a predetermined condition by a judging section  
10 provided inside or outside of the ink jet recording apparatus;  
and controlling the ink jet recording apparatus so that the  
ink jet recording apparatus is set in an operable or a non-operable  
state based on a result of the judging step. It is possible to  
judge whether or not the piezoelectric device is normally operated,  
15 to confirm the liquid of the predetermined volume is contained  
in the liquid container, to detect deficiencies of the liquid  
container and the piezoelectric device, and to detect a gradient  
of the liquid container.

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